

Title (en)  
PNEUMATIC DE-ICER WITH SENSOR FOR SUPERCOOLED LARGE DROPLET ICING DETECTION

Title (de)  
LUFTENTEISER MIT SENSOR ZUR DETEKTION EINER VEREISUNG MIT UNTERKÜHLTEN GROSSEN TROPFEN

Title (fr)  
DÉGIVREUR DE PNEUMATIQUE DOTÉ D'UN CAPTEUR DE DÉTECTION DE GIVRAGE DES GOUTTELETTES DE GRANDE TAILLE EN SURFUSION

Publication  
**EP 3235732 B1 20190612 (EN)**

Application  
**EP 17164297 A 20170331**

Priority  
US 201615088847 A 20160401

Abstract (en)  
[origin: EP3235732A1] A de-icing assembly includes an aircraft (10) with an airfoil (12, 14). A de-icer (32, 132) is disposed on a leading edge of the airfoil. A tab (44, 144) extends from the de-icer in an aft direction from an aft edge of the de-icer. The de-icer and the tab are adhesively attached onto an outer skin (46, 146) of the airfoil. A supercooled large droplet sensor (34, 134) is built into the tab. The supercooled large droplet sensor is positioned in a location aft of the aft edge of the de-icer.

IPC 8 full level  
**B64D 15/00** (2006.01); **B64D 15/16** (2006.01)

CPC (source: CN EP US)  
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